

PKC theta Antibody

Catalog No: #21289



Package Size: #21289-1 50ul #21289-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

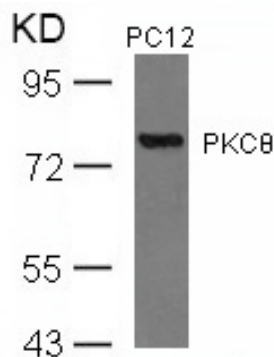
Description

Product Name	PKC theta Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was purified by immunogen affinity chromatography.
Applications	WB IHC IF
Species Reactivity	Human
Specificity	The antibody detects endogenous level of total PKCth protein.
Immunogen Type	Peptide-KLH
Immunogen Description	KLH-conjugated synthetic peptide region of human PKC theta.
Conjugates	Unconjugated
Target Name	PKCth
Other Names	nPKC-theta
Accession No.	Swiss-Prot: Q04759NCBI Protein: NP_006248.1
Concentration	1.0mg/ml
Formulation	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

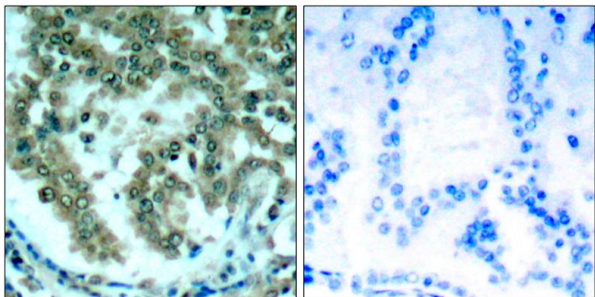
Application Details

WB 1:500 - 1:1000; IHC 1:100 - 1:200; IF 1:100 - 1:500;

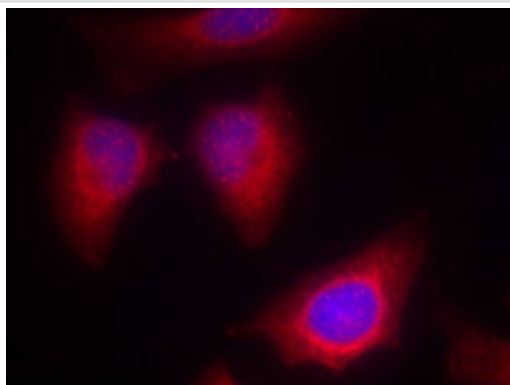
Images



Western blot analysis of extracts from PC12 cells using PKCth(Ab-676) Antibody #21289.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using PKCth(Ab-676) Antibody #21289(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using PKCth(Ab-676) Antibody #21289.

Background

This is a calcium-independent, phospholipid-dependent, serine- and threonine-specific enzyme. Essential for T-cell receptor (TCR)-mediated T-cell activation, but is dispensable during TCR-dependent thymocyte development. Links the TCR signaling complex to the activation of NF-kappa-B in mature T lymphocytes. Required for interleukin-2 (IL2) production. PKC is activated by diacylglycerol, which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters, a class of tumor promoters.

Kristof Van Kolen, et al. (2006) FEBS J ; 273: 1843 - 1854.

Martin Villalba, et al. (2002) J. Cell Biol ; 157: 253.

Jie Zhang, et al. (2004) J. Biol. Chem ; 279: 22118 - 22123.

Castro AF, et al. (1998) Am J Physiol Cell Physiol; 275: C113 - C119.

Published Papers

et al., PKC θ -Mediated Ca^{2+} /NF-AT Signalling Pathway May Be Involved in T-cell Immunosuppression in Coal-Burning Arsenic-Poisoned Population. In Environ Toxicol Pharmacol on 2017 Oct by Qibing Zeng , Peng Luo, et al.. PMID: 28823652 , (2017)

[PMID:28823652](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.